

# Energy Efficient Building Operators Training

Tuesday, November 8, 2005

9:00am – 5:00pm

## Event Information

### Location:

Colorado Housing and Finance  
Authority  
1981 Blake Street, 1<sup>st</sup> Floor  
Denver, CO

### Registration Information:

Space is limited to 100, so  
sign up early. **You must  
pre-register to participate.**

### To register contact:

Cecily Channell or  
Jim Hauswirth at:

- 212-675-3436
- channell@swinter.com
- jhauswirth@swinter.com

**Parking is limited;  
use of public transportation  
is recommended.**

## Course Topics

- Whole Building Systems Approach
- Energy Usage Analysis
- Building Envelope
- Domestic Hot Water
- HVAC
- Preventive Maintenance
- Record Keeping
- Health and Safety
- Indoor Air Quality
- Water Usage
- Lighting, Appliance and Electricity Usage
- Building Controls
- Energy Management
- Energy Auditing of an Existing Building

**Energy costs are up 28% nationwide!**  
*How can you reduce your winter energy costs?*

The U.S. Department of Housing and Urban Development (HUD) is pleased to announce a one-day seminar for multifamily building operators, owners, maintenance and technical staff. It will introduce participants to standards for energy efficient and cost effective building operations and maintenance strategies, with a focus on real-world practices.

## THIS SESSION IS FREE!

### About the class

- It's held in a comfortable, classroom setting.
- Instructors are experts in multifamily buildings.
- Questions are encouraged.

### Who should attend?

- **We strongly encourage the attendance of one management and one maintenance person per building.**

### What will you learn?

- You will gain the knowledge and skills you need to run a more energy efficient and safe building.
- You will apply lessons learned and real-world practices to your own buildings, allowing you to immediately use what you learn.

### What are the benefits?

- Immediate energy and water savings
- Lower operation and maintenance costs
- Fewer resident complaints
- A healthier building environment
- Ability to make cost-effective capital improvement decisions

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## **About the Instructor**

**Andrew Padian of Steven Winter Associates, Inc., has a range of experience in building systems and operations. He speaks from personal experience, having played a direct role in improving the performance of thousands of housing units nationwide. Andrew ensures that students will walk away with ideas they can use starting the first day of class.**

## **Steven Winter Associates, Inc. Building Systems Consultants**

**This course has been tailored for a HUD audience from materials developed by Steven Winter Associates, Inc. (SWA) for market-rate and assisted housing. SWA is an architectural and engineering firm that is recognized as a leader in multi-family building energy usage, and has effectively trained over 600 managers, architects, engineers and maintenance staff across the country.**

## **AGENDA**

**9:30 – 10:15**

**Introduction to Energy Usage Analysis**

**10:15 – 10:30**

**BREAK**

**10:30 – 12:30**

**Whole Building Systems Approach  
Lighting, Appliance and Electricity Usage  
Water Usage**

**12:30 – 1:30**

**LUNCH**

**1:30 – 3:00**

**Heating, Ventilating, and Air Conditioning Systems (HVAC)**

**3:00 – 3:15**

**BREAK**

**3:15 – 5:00**

**Health and Safety**

**Training held at Colorado Housing and Finance Authority,  
1981 Blake Street, Denver, Colorado.**